



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060



Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and .025 hours per response for information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to the address.

DATA MATRIX

Date August 14, 1998		EPA Reg No./File Symbol 3125-XXX <i>LEL</i>		Page 1 of 11	
Applicant's/Registrant's Name & Address Bayer Corp. Agriculture Division 8400 Hawthorn Rd. Kansas City, MO 64120		Product Imigel™ Insect Bait			
Ingredient Imidacloprid					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
Section 158.190 61-1	<u>PRODUCT CHEMISTRY</u> Identity of ingredients	42055302 43306001 NA	BR 1759 (TGA) BR 1879 (TGA) BR 1970 (Formulation) CSFs	OWN	
61-2	Statement of Composition	42055302 43306001 NA	BR 1759 (TGA) BR 1879 (TGA) BR 1970 (Formulation) CSFs	OWN	
61-3	Discussion of formation of ingredients	42055302	BR 1759 (TGA) BR 1970 (Formulation)	OWN	
62-1	Preliminary analysis	42055303 43306002	BR 1760 (TGA) BR 1880 (TGA)	OWN	
62-2	Certification of Limits	42055303 43306002 NA	BR 1760 (TGA) BR 1880 (TGA) BR 1970 (Formulation) CSFs (Formulation)	OWN	
62-3	Analytical method for enforcement limits	42055303 43213001 43306002	BR 1760 (TGA) BR 1874 (TGA) BR 1880 (TGA) BR 1970 (Formulation)	OWN	

Signature <i>John S. Thornton</i>	Name and Title John S. Thornton Director, Product Registrations and Regulatory Affairs	Date August 14, 1998
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Applicant's/Registrant's Name & Address Bayer Corp. Agriculture Division 8400 Hawthorn Rd. Kansas City, MO 64120			Product Imagel™ Insect Bait		
Ingredient Imidacloprid					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
63-2	Appearance	42055304	BR 1761 (TGAI) BR 1970 (Formulation)	OWN	
63-3	Physical State	42055304	BR 1761 (TGAI) BR 1970 (Formulation)	OWN	
63-4	Odor	42055304 43240701	BR 1761 (TGAI)	OWN	
63-5	Melting Point	42055304	BR 1761 (TGAI)	OWN	
63-6	Boiling Point	42055304	BR 1761(TGAI)	OWN	
63-7	Density, bulk-density, or specific gravity	42055304	BR 1761 (TGAI) BR 1970 (Formulation)	OWN	
63-8	Solubility	42055304	BR 1761 (TGAI)	OWN	
63-9	Vapor Pressure	42055304	BR 1761 (TGAI)	OWN	
63-10	Dissociation constant				N.A. - Does not dissociate
63-11	Octanol/water partition coefficient	42055304	BR 1761 (TGAI)	OWN	

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Ingredient Imidacloprid					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
63-12	pH	42055304	BR 1761 (TGAI) BR 1970(Formulation)	OWN	
63-13	Stability	42055304	BR 1761 (TGAI)	OWN	
63-14	Oxidizing or Reduction Potential			OWN	N.A. - Does not have oxidative or reduction characteristics
63-15	Flammability	42055304	BR 1761 (TGAI)	OWN	
63-16	Explodability	42055304	BR 1761 (TGAI)	OWN	
63-17	Storage Stability	42055304 43240701	BR 1761 (TGAI)	OWN	
63-18	Viscosity		BR 1970 (Formulation)	OWN	
63-19	Miscibility			OWN	N.A. - Not intended for dilution with petroleum solvents
63-20	Corrosion characteristics	42055304	BR 1761 (TGAI) BR 1970 (Formulation)	OWN	
63-21	Dielectric breakdown				N.A.- Not intended for use around electrical equipment

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Applicant's/Registrant's Name & Address Bayer Corp. Agriculture Division 8400 Hawthorn Rd. Kansas City, MO 64120		Product Imigel™ Insect Bait			
Ingredient Imidacloprid					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
64-1	Samples		Samples available upon request	OWN	
Section 158.490	ECOLOGICAL EFFECTS				
71-1	Acute Avian Oral LD ₅₀	42055308	Report No. 100059	OWN	
71-2(a)	Avian Dietary LC ₅₀ - Quail	42055310	Report No. 100241	OWN	
71-2(b)	Avian Dietary LC ₅₀ - Duck	42055311	Report No. 100238	OWN	
71-3	Wild Mammal Toxicity	NR- based on acute toxicity		OWN	
71-4(a)	Avian Reproduction - Quail	42055312	Report No. 101203	OWN	
71-4(b)	Avian Reproduction - Duck	42055313 42480502 42805101 43466501 43466502	Report No. 101205 Report No. 103813 Report No. 103813-1 Report No. 106623 Report No. 106630	OWN	
71-5	Simulated or Actual Field Study	42737101	Report No. 105002	OWN	
72-1(a)	Acute Fish Toxicity - Bluegill	42055314	Report No. 100348	OWN	

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Applicant's/Registrant's Name & Address Bayer Corp. Agriculture Division 8400 Hawthorn Rd. Kansas City, MO 64120	Product Imigel™ Insect Bait				
Ingredient Imidacloprid					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
72-1(b)	Acute Fish Toxicity - Rainbow trout	42055315 42055316	Report No. 100349 Report No. 101303	OWN	
72-2(a)	Acute Aquatic Invertebrate Toxicity - Daphnia	42055317	Report No. 100245	OWN	
72-2(b)	Acute Aquatic Invertebrate Toxicity - Amphipods	42256303	Report No. 101960	OWN	
72-2(c)	Acute Aquatic Invertebrate Toxicity - Chironomids	42256304	Report No. 101985	OWN	
72-3(a)	Estuarine/Marine Organism - Fish	42055318	Report No. 100354	OWN	
72-3(b)	Estuarine/Marine Organism - Mollusk	42256305	Report No. 101978	OWN	
72-3(c)	Estuarine/Marine Organism - Shrimp	42055319 42528301	Report No. 100355 Report No. 103845	OWN	
72-4(a)	Early Life Stage - Fish	42055320 42480501		OWN	
72-4(b)	Life Cycle - Aquatic Invertebrate	42055321 42055322	Report No. 101247 Report No. 101347	OWN	

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Applicant's/Registrant's Name & Address Bayer Corp. Agriculture Division 8400 Hawthorn Rd. Kansas City, MO 64120		Product Imigel™ Insect Bait			
Ingredient Imidacloprid					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
72-7	Simulated or Actual Field Study		Report No. 102600	OWN	
Section 158.340					
81-1	<u>TOXICOLOGY</u> Acute oral toxicity, rat	42055331	RN 100040 (TGAI) RN 108153 (Form)	OWN	
81-2	Acute dermal toxicity, rat	42055332	RN 100041 (TGAI) RN 108151 (Form)	OWN	
81-3	Acute inhalation toxicity, rat	42055333 42286101	RN 99806 (TGAI) RN 99806-1 (TGAI)	OWN	
81-4	Primary eye irritation, rabbit	42055334	RN 99679 (TGAI) RN 108180 (Form)	OWN	
81-5	Primary dermal irritation, rabbit	42055335	RN 99804 (TGAI) RN 108181 (Form)	OWN	
81-6	Dermal sensitization, guinea pig	42055336	RN 99800 (TGAI) RN 108150 (Form)	OWN	
81-8-SS	Acute Neurotoxicity Screening - Rat	43170301 43285801	Report No. 106348 Report No. 106348-1	OWN	

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Applicant's/Registrant's Name & Address Bayer Corp. Agriculture Division 8400 Hawthorn Rd. Kansas City, MO 64120		Product Imagle™ Insect Bait			
Ingredient Imidacloprid					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
82-1(a)	90 Day Subchronic - Rodent	42256327	Report No. 100036	OWN	
82-1(b)	90-Day Subchronic - Non-rodent	42256328	Report No. 100176	OWN	
82-2	21-Day Repeated Dose Dermal Toxicity	42256329	Report No. 100688	OWN	
82-5(b)	Subchronic Neurotoxicity Screening - Rat	43286401	Report No. 106356	OWN	
83-1(a)	Chronic Feeding Study - Rodent	42256331 42256332 42256333 42256334	Report No. 100652 Report No. 101931 Report No. 102658 Report No. 99672	OWN	
83-1(b)	Chronic Feeding Study - Non-rodent	42273002	Report No. 100015	OWN	
83-2(a)	Oncogenicity - Rat	42256331 42256332 42256333 42256334	Report No. 100652 Report No. 101931 Report No. 102658 Report No. 99672	OWN	
83-2(b)	Oncogenicity - Mouse	42256335 42256336 42256337	Report No. 100693 Report No. 101929 Report No. 99808	OWN	

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Applicant's/Registrant's Name & Address Bayer Corp. Agriculture Division 8400 Hawthorn Rd. Kansas City, MO 64120		Product Imagen TM Insect Bait			
Ingredient Imidacloprid					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
83-3(a)	Developmental Toxicity - Rat	42256338	Report No. 98571	OWN	
83-3(b)	Developmental Toxicity - Rabbit	42256339	Report No. 98572	OWN	
83-4	Two Generation Reproduction	42256340	Report No. 100647	OWN	
84-2(a)	Gene mutation	42256341 42256342 42256343	Report No. 101276 Report No. 98584 Report No. 98570	OWN	
84-2(b)	Structural Chromosomal Aberration	42256344 42256345 42256346 42256347 42256348 42256349	Report No. 100021 Report No. 99262 Report No. 99257 Report No. 102652 Report No. 102654 Report No. 102655	OWN	
84-4	Other Genotoxic Effects	42256350 42256351 42256352 42256353	Report No. 99676 Report No. 101275 Report No. 98573 Report No. 102653	OWN	
85-1	General Metabolism - Rat	42256354 42256355 42256356 42256357	Report No. 101999 Report No. 87264 Report No. 87265 Report No. 102617	OWN	

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Ingredient Imidacloprid					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
Section 158.540	<u>PLANT PROTECTION</u>				
122-2	Aquatic Plant Growth - Algae Toxicity, Scenedesmus	42256374	Report No. 100098	OWN	
123-2	Aquatic Plant Growth - Algae Toxicity, Selenastrum	42256375	Report No. 101986	OWN	
Section 158.590	<u>NON-TARGET INSECTS</u>				
141-1	Honey Bee - Acute Contact	42273003 42480503	Report No. 101321 Report No. 103815	OWN	
141-2	Honey Bee- Residue on Foliage	42480503 42632901	Report No. 103815 Report No. 103938	OWN	
Section 158.290	<u>ENVIRONMENTAL FATE</u>				
161-1	Hydrolysis	42055337	Report No. 99708	OWN	
161-2	Photodegradation in Water	42256376	Report No. 101956	OWN	

Signature

John A. Thornton

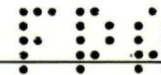
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Ingredient Imidacloprid					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
161-3	Photodegradation in Soil	42256377	Report No. 100249	OWN	
162-1	Aerobic Soil Metabolism	42073501 42539201 42539202 42539203 42539204	Report No. 101241 Report No. 100140 Report No. 100141 Report No. 101955 Report No. 103202	OWN	
162-2	Anerobic Soil Metabolism				Not required if 162-3 is conducted
162-3	Anerobic Aquatic Metabolism	42256378	Report No. 101346	OWN	
163-1	Leaching and Adsorption/Desorption	42055338 42055339 42520801 42520802	Report No. 99199 Report No. 99635 Report No. 103816 Report No. 103817	OWN	
164-1	Soil Dissipation	42256379 42256380 42256381 42256382 42256383 42734101 42256384 42256385		OWN	

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Ingredient Imidacloprid					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
166-1	Lysimeter Study	43142501 43449501		OWN	
Section: Subdivision U 230-236	<u>WORKER EXPOSURE</u> Exposure Study for Mixers/ Loaders and Applicators	42256386		OWN	
Section: Subdivision O Efficacy 95-12	Product Performance Data: Structural Treatments	43285101 43285102		OWN	

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